

Abstract of the Disclosure

A stent is provided with a multi-layer structure, combining one or more mesh layers with one or more film layers. The film layer(s) are configured to substantially prevent growth of an inner lining of a blood vessel, where the stent is placed, through the mesh layer(s). The end-to-end length of the film layer(s) may be greater than the lengths of the mesh layer(s) by at least about 0.5 mm. The mesh and film layers include a radiopaque portion adjacent their ends to provide an X-ray indication of whether the mesh layer(s) have expanded beyond the ends of the film layer(s). If the stent includes inner and outer film layers and a middle mesh layer, the film layers may be sealed together adjacent the ends, encasing and fixing in place the middle layer. The mesh layer may be constructed to be more compliant adjacent its distal end and to expand more rapidly in response to expansion of a balloon catheter as compared to a middle portion of the mesh layer.